

Electrical • Electronics • B.E. • B.Tech • MCA • Computer Science • IT

# STEP-2018

(Summer Training & Essence Program)

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**EMTECH FOUNDATION** is the most trusted, an ISO 9001:2008 certified Embedded System Training and Consultancy company. We offer various training programs for budding electronics and computer engineers to upgrade their technical skills to find a best working place in current competitive market scenario. We undertake extreme pride in claiming that our training programs have been highly inspirational and advantageous to prospective engineers.

We are An Authorized Training Partner of **Microchip Technology Inc., USA** only in India.

We are also offering training on ARM Microcontrollers (32-bit) in association with **STMicroelectronics, India**.

## SUMMER TRAINING & ESSENCE PROGRAM (STEP)

Every engineering student have to do industrial summer training as part of curriculum, specified by their university. **EMTECH** has designed Summer Training & Essence Program (STEP) to provide real industrial standards learning for students. The students from all over india join **EMTECH FOUNDATION'S** STEP every year in Summer Vacations and thousands of Engineering Students have benefited from it so far.

### EMBEDDED SYSTEMS DESIGN - INTERMEDIATE

The objective of this program is to give in-depth knowledge of 8-bit Microcontroller 8051 & PIC with their programming. Students can design real time projects on Embedded Systems (Home automation, Home security, Industrial automation, telecom, automobile, defense etc.

**Eligibility** : 1st/2nd/3rd year students of B.E., B.Tech from Electrical, Electronics, Computer Science branch Recommended for Second/Third Year Engineering Students.

**Pre-requisites** : Knowledge of Basics of Electronics, Digital Electronics and C language programming.

**Benefits** :

- Confidence build up for electronics subjects.
- Certification from **Microchip Technology, USA\***.
- Fare understanding of electronics hardware.
- Fare understanding of Embedded Software development.
- Experience of BEST learning practice.
- Acquire skills to do better Minor/Major Projects.
- Can participate in various national/international competition and techfest.

**Features** :

- Knowledge of 8051 Microcontroller
- Knowledge of PIC Microcontroller
- Knowledge of Embedded C programming
- Knowledge of Sensors Programming
- Personal Experience of working with Live Projects



Programming Language Used	Software Used	Microcontroller Used	Programmer/Debugger Used
Assembly, C and Embedded C	Keil, MPLAB IDE and HI-TECH C Compiler	AT 89552 & PIC16F887 of Microchip Mid-range family	Microchip's PIC KIT2

**Project Experience** : Unlimited Live Project experiences are available to every student on following projects : Intelligent Traffic Light Controller, Speedometer, Temperature Controller, Visitor Counter, Intelligent Energy Saver, Pre-paid Energy Meter SMART Home, Smart Energy Meter and many more. The Sensor technology used in project works are GSM, RFID, Bluetooth, Radio frequency, Zig-bee, GPS, Touchpad, Accelerometer, Graphical LCD, Thermal Printer etc.

**Note: Project hardware component cost of project will be extra to training fee.**

**Training Support** : Project Development Support after training is available at FREE of COST for 1 Year. You can come and make many projects at center of your choice. We provide all the resources and consultancy for developing without any additional charges.

**Certification** : On successful completion of training, a certificate from **Microchip Technology, USA** will be provided.\*

**Registration** : Students should register online at <http://emtech.in/register.php> for admission and pay the full fee either by Cash/Cheque/DD drawn in favor "**EMTECH FOUNDATION**" New Delhi.

Book your seat by paying only ₹ 500/- (Non-refundable) to avoid last day hassles of admission / batch schedule / batch timings.

DURATION	TRAINING BATCH	PLACEMENT ASSISTANCE	FULL FEE
6 Weeks / 120 Hours	20-25 Students / Batch	YES	₹ 11,999/- (Incl. taxes)

#### WEEKDAYS

Training Schedule	Batch Schedule	Timings Schedule
5 Days in a week (Mon-Fri)	Mor : 8.30 AM - 11.30 AM Noon : 11.45 AM - 2.45 PM Eve : 3.00 PM - 6.00 PM	3 hrs. / day

#### WEEKENDS

Training Schedule	Batch Schedule	Timings Schedule
2 Days / Week (Saturday - Sunday)	10.00 AM - 5.00 PM	6 hrs. / day